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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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09/816,526

03/23/2001

Thomas Mueller

10191/1773

8027

26646

7590

05/02/2006

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EXAMINER

GRIER, LAURA A

ART UNIT

PAPER NUMBER

2615

DATE MAILED: 05/02/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/816,526

Applicant(s)

MUELLER ET AL.

Examiner

Laura A. Grier

Art Unit

2615

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 30 January 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 2-17 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 2-17 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## DETAILED ACTION

### ***Claim Rejections - 35 USC § 103***

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 2-4, 5-17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lee, U. S. Patent No. 6292440 in view of Lau et al, U. S. Patent No. 6990208.

Regarding claim 17, Lee discloses a MP3 car player (figure 1). Lee's disclosure comprises a display (301), which reads on a display; a speaker, which reads on a loudspeaker; CD/CD-ROM, and memory block (200), which reads a storage device; a keypad interface unit (302), which reads on an input apparatus; a controlling unit coupled to a MP3 decoder (400/500), which reads on a processor (col. 3, lines 10-43, col. 1, lines 48-65, col. 2, lines 17-39 and col. 4, lines 10-19). Even though Lee's display displays information about the MP3 files for playback and manipulation, Lee fails to specifically disclose the processor including an element for displaying directories located on the storage device.

Regarding processor including an element for displaying directories located on the storage device, in a similar field of endeavor, Lau et al. (herein, Lau) disclose a vehicle sound system which includes the storage of MP3 files to the music server and/or head unit (including a display) of the within a vehicle and/or internet music files into a

computer, where in the multimedia files are stored in level of directories and obviously displayed (col. 5, lines 17-28, col. 6, lines 17-62, col. 8, lines 17-32 and lines 47-67).

Thus, it would have been obvious to one of the ordinary skill in the art the time the invention was made to modify the invention of Lee by providing displaying element with the capability of providing a display of directories indicated of the data files as data carriers, playlist (titles) which enhances the visual management and selection of the multimedia files.

Regarding claims 6 and 7, Lee and Lau disclose everything claimed as applied above (see claim 17). Lee ((figures 1-3 and col. 3, lines 10-43) and Lau discloses the storage device as removable from the disk drive (col. 4, lines 39-53,

col. 6, lines 5-14 and col. 5, lines 17-28-Lau), wherein obviously at least one of the files are automatically decoded and played back via the loudspeakers.

Regarding claims 6 and 7, Lee and Lau disclose everything claimed as applied above (see claim 17). The display of the titles names and track numbers obviously teaches the processor extracting information, therein - Lee.

Regarding claims 10-12, Lee and Lau discloses everything as applied above (see claim 17). Lee and Lau (Lau) disclose the capability of special configuration of play back of the files (col. 6, lines 25-35), which provides random playback of a particular file and/or all files.

Regarding claims 13, Lee and Lau disclose everything claimed as applied above (see claim 17). Lee and Lau (col 8. lines 47-67) discloses the storage device as CD file and hard disk.

Regarding claims 14, Lee and Lau disclose everything claimed as applied above (see claim 17). Lee (col. 1, lines 58-62) and Lau (col. 6, lines 17-35) discloses the multimedia files as MP3, which indicates the files coded in MP3

Regarding claims 15, Lee and Lau disclose everything claimed as applied above (see claim 17). Lee and Lau (Lee) discloses a keyboard interface, which may constitute as a remote control apparatus.

Regarding claims 4, Lee and Lau disclose everything claimed as applied above (see claim 17). Lee and Lau fails to disclose the input apparatus including a rocker operable in a vertical and horizontal direction. A rocker type input device was well known in the art. Thus, it would have been obvious to one of the ordinary skill in the art at the time the invention was made to modify the invention of Lee and Lau by implementing a rocker for the purpose of enhanced and easy-to-use input manipulation.

Regarding claims 16, Lee and Lau disclose everything claimed as applied above (see claim 17). Lee and Lau fails to disclose the processor displaying information in a step-by-step process. A step-by-step display of information was well known in the art. Thus, it would have been obvious to one of the ordinary skill in the art at the time the invention was made to modify the invention of Lee and Lau by implementing the processor to provide step-by-step display of information for the purpose of providing the user with visual efficiency of the information about a particular file or files.

Regarding claim 2-3, Lee discloses a MP3 car player (figure 1). Lee's disclosure comprises a display (301), which reads on a display; a speaker, which reads on a

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loudspeaker; CD/CD-ROM, and memory block (200), which reads a storage device; a keypad interface unit (302), which reads on an input apparatus; a controlling unit coupled to a MP3 decoder (400/500), which reads on a processor (col. 3, lines 10-43, col. 1, lines 48-65, col. 2, lines 17-39 and col. 4, lines 10-19). Even though Lee's display displays information about the MP3 files for playback and manipulation, Lee fails to specifically disclose the processor for decoding to include an element for displaying directories located on the storage device, therein as claimed

Regarding processor including an element for displaying directories located on the storage device, in a similar field of endeavor, Lau et al. (herein, Lau) disclose a vehicle sound system which includes the storage of MP3 files to the music server and/or head unit (including a display) of the within a vehicle and/or internet music files into a computer, where in the multimedia files are stored in level of directories and displayed via the head unit display and the display of the controller of the computer (col. 5, lines 17-28, col. 6, lines 17-62, col. 8, lines 17-32 and lines 47-67), and Lau further discloses the use of GUI, wherein the tracks (files) may be manipulated by being removed, added, etc. to playlist or directory (col. 13, lines 26-67).

Thus, it would have been obvious to one of the ordinary skill in the art the time the invention was made to modify the invention of Lee by providing displaying element with the capability of providing a display of directories indicated of the data files as data carriers, playlist (titles) which enhances the visual management and overall manipulation and selection of the multimedia files.

Regarding claim 5, Lee discloses a MP3 car player (figure 1). Lee's disclosure comprises a display (301), which reads on a display; a speaker, which reads on a loudspeaker; CD/CD-ROM, and memory block (200), which reads a storage device; a keypad interface unit (302), which reads on an input apparatus; a controlling unit coupled to a MP3 decoder (400/500), which reads on a processor (col. 3, lines 10-43, col. 1, lines 48-65, col. 2, lines 25-39 and col. 4, lines 10-19). Even though Lee's display displays information about the MP3 files for playback and manipulation, Lee fails to specifically disclose the processor for decoding to include an element for displaying directories located on the storage device, therein as claimed

Regarding processor including an element for displaying directories located on the storage device, in a similar field of endeavor, Lau et al. (herein, Lau) disclose a vehicle sound system which includes the storage of MP3 files to the music server and/or head unit (including a display) of the within a vehicle and/or internet music files into a computer, where in the multimedia files are stored in level of directories and displayed via the head unit display and the display of the controller of the computer (col. 5, lines 17-28, col. 6, lines 17-62, col. 8, lines 17-32 and lines 47-67), and Lau further indicates how the tracks of a play list may be reproduced, wherein it obvious to the function of a playback device to display a particular file or track for a predetermined time during the reproduction of the file/track, and display a second file/track after that the first file/track has come to an end (col. 9, lines 30-45).

Thus, it would have been obvious to one of the ordinary skill in the art the time the invention was made to modify the invention of Lee by providing displaying element

with the capability of providing a display of directories indicated of the data files as data carriers, playlist (titles) which enhances the visual management and overall manipulation and selection of the multimedia files.

Regarding claim 9, Lee discloses a MP3 car player (figure 1). Lee's disclosure comprises a display (301), which reads on a display; a speaker, which reads on a loudspeaker; CD/CD-ROM, and memory block (200), which reads a storage device; a keypad interface unit (302), which reads on an input apparatus; a controlling unit coupled to a MP3 decoder (400/500), which reads on a processor (col. 3, lines 10-43, col. 1, lines 48-65, col. 2, lines 17-39 and col. 4, lines 10-19). Lee's display of the titles names and track numbers obviously teaches the processor extracting information, therein. Even though Lee's display displays information about the MP3 files for playback and manipulation, Lee fails to specifically disclose the processor for decoding to include an element for displaying directories located on the storage device, therein as claimed.

Regarding processor including an element for displaying directories located on the storage device, in a similar field of endeavor, Lau et al. (herein, Lau) disclose a vehicle sound system which includes the storage of MP3 files to the music server and/or head unit (including a display) of the within a vehicle and/or internet music files into a computer, where in the multimedia files are stored in level of directories and displayed via the head unit display and the display of the controller of the computer (col. 5, lines 17-28, col. 6, lines 17-62, col. 8, lines 17-32 and lines 47-67).



Thus, it would have been obvious to one of the ordinary skill in the art the time the invention was made to modify the invention of Lee by providing displaying element with the capability of providing a display of directories indicated of the data files as data carriers, playlist (titles) which enhances the visual management and overall manipulation and selection of the multimedia files.

### ***Response to Arguments***

3. Applicant's arguments with respect to claims 2-17 have been considered but are moot in view of the new ground(s) of rejection.

The applicant argues that prior art of record, Janky, fails to disclose the claimed invention and the examiner has not provided prima facie case of obviousness. A new art rejection has been provided with a previously used reference Lee and a new reference of prior art, Lau et al., wherein Lee clearly provides for the concepts of the claim language with the exception of providing displayed directories. And, Lau et al. has been used to modify the invention of Lee by support the display of various directories of a multimedia files and data carriers.

### **Reassignment Affecting Application Location**

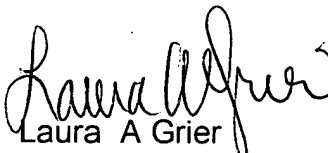
4. The Art Unit location of your application in the USPTO has changed. To aid in correlating any papers for this application, all further correspondence regarding this application should be directed to Art Unit 2615.

**Conclusion**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Laura A. Grier whose telephone number is (571) 272-7518. The examiner can normally be reached on Monday - Friday, 7:30 am - 4:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Vivian Chin can be reached on (571) 272-7848. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
Laura A Grier  
Primary Examiner  
Art Unit 2615

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